chapter 9 (victoria veloso)

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| **Across**  **5.** these waves originate where rocks first move along the fault, at a location inside earth  **11.** is a break from earths lithosphere where one block of rock moves toward and away from or past another  **13.** molten rock that erupts onto earths surface  **15.** molten rock below earths surface  **16.** a graphical illustration of seismetic waves  **17.** energy that travels as vibrations on and in earth  **18.** is a vent in earths crust through with melted- or molten rock flows  **19.** the location of earths surface directly above the earthquakes focus  **20.** scientists that study earthquakes | **Down**  **1.** volcanoes that are not associated with plate boundaries  **2.** are large step sided volcanoes that results from explosive eruptions of andesitic and rhyolitic lava and ash along convergent plate boundaries  **3.** are common along the divergent plate boundaries and oceanic hot spots  **4.** they cause particles to move up and down at right angles relative to the direction the wave travels  **6.** vibrations on the ground  **7.** tiny particles of pulverized volcanic rock and glass  **8.** also called p-waves, cause particles in the ground to move in a push and pull motion similar to a coiled spring  **9.** caused particles in the ground to move up and down in a rolling motion  **10.** measures and records ground motion and can be used to determine the distance seismic waves travel  **12.** are small step sided volcanoes that erupt gas rich, basaltic lava  **14.** a liquids resistance to flow |

   earthquakes       fault       seismic waves       focus       epicenter       primary waves        secondary waves        surface waves        seismologists       seismometer       seismogram       volcano       magma       lava       hot spots       shield vocanoes       composite volcanoes       cinder cones        volcanic ash       viscosity